Homework #4-Solution

(a) Common- gate with our octibe lood. Specifically the look is a cumut numer.

$$\frac{51}{R}$$

Combining (1) and (2) fields

$$R_{1} = \frac{S_{1}}{N_{1}} = \frac{RS + 101 + 102 + fmino1}{1 + fmino1} \frac{RS}{N_{1}} = \frac{200K + 133.3K + 0.52m.200K.50}{0.52m.200K} = 1.84K.n$$

R1=184K-R

KCL @ the out put made

$$\frac{50}{302} + \int_{0}^{\infty} \frac{50}{301} + \frac{50}{301} + \frac{50}{301} = 0 \Rightarrow 50 \left(\frac{1}{102} + \frac{1}{101} \right) + 5851 \left(\frac{1}{101} + \frac{1}{101} \right) = 0 (3)$$

$$\sqrt{3} + \int_{0}^{\infty} \frac{50}{302} + \sqrt{3} + \sqrt{3$$

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